

# **ANNUAL DRINKING WATER QUALITY REPORT**

**Maple Hill Estates**

**Public Water System Identification Number  
(PWSID) 0070223**

**Homestead and Maple Hill Estates**

**# 4 Homestead Drive  
Port Deposit, Maryland 21904  
(410) 378-2019**

**July 1, 2009**

**PWSID # 0070223**

We're pleased to provide our tenants with the Annual Water Quality Report. This report is also available at our office, located at # 4 Homestead Drive, Port Deposit, Maryland 21904.

Beginning in the calendar year 2000 we have been providing this report to our tenants sometime during the month of June, and each subsequent year for your use and information. This report is designed to inform you about the quality of the water and services we deliver to you every day. Our Constant goal is to provide you, the customer, with safe and dependable supply of your drinking water. Our water source for the Maple Hill Mobile Home Park is (1) ground-water well, located within the Maple Hill Mobile Estates.

I am pleased to report our drinking water is safe and meets all the Federal and State Requirements for Safe Drinking Water. A complete source water assessment should be available from the Department of the Environment and possible copies may be obtained by written request through our office.

The Water Department routinely monitors your drinking water for over 125 constituents in accordance with all Federal and State requirements. Listed are the results for various constituents that were detected during the monitoring period from January 1, 2008 to December 31, 2008. Pursuant to the Federal and State Requirements and publishing the list of all constituents we're required to test and monitor for is available at our office and may be obtained upon a written request.

If you should have questions regarding this report or concerning your water utility, please contact Mr. John Benjamin at (410) 378-2019. In addition any resident may obtain a copy of this report at the main office Monday through Friday during normal business hours upon request.

***Annual Drinking Water Quality Report:***

All sources of drinking water are subject to potential contaminants by substances that are naturally occurring or man made. These substances can be *microbes, inorganic, or organic chemicals and radioactive* substances.

All drinking water, including *Bottled Water*, may reasonably be expected to contain the least small amounts of some contaminants. The presence of contaminants *does not* necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the *Environmental Protection Agency's Safe Drinking Water Hot-line at (1-800-426-4791)*.

Some people may be more vulnerable to contaminants in drinking water than the the general population. *Immuno-compromised* persons such as persons with cancer undergoing chemotherapy, persons who have u undergone organ transplants, people with HIV, AIDS, or have other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA / CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidion* and other micro-biological contaminants are available from the *E.P.A. Safe Drinking Water Hot-line at (1-800-426-4791)*.

***Drought Evaluations:*** To ensure a consistent supply of fresh, clean, and safe drinking water to our tenants, the owner (John Benjamin) has obtained the services of a fully certified and licensed person, (Mr. David A. Jones) to perform and oversee the day to day operations of the existing water facilities. The water department operations have performed several evaluations of the facilities source waters to ensure the production wells have a safe yield and/or supply of natural water. The department does encourage that *All consumers* practice conservation on a routine basis and to report any leaks, and/or needed repairs to the appropriate department as soon as possible.

***Security Statement:*** Due to the events of September 11, 2001 the water department ha provided a increase in the security of the facilities such as a requested increase in patrols by law enforcement agencies, ensuring employees have proper identifications, provided employee training in safeguarding our water systems, and protection against terrorist acts, and have provided security locks on all the well heads, in addition to a increase in water quality analysis to ensure a safe drinking water supply is available.

We at the water department are committed to providing our consumers with a safe and dependable water supply. We have two Maryland certified operators on staff providing around the clock service to insure our water supply meets all EPA and State standards and/or requirements. In order to keep up with the new regulations, technologies, and maintain the proper certification each operator and the superintendent is required to obtain multiple educational credits year to year as required under Federal and State law.



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**Operational Statement:**

The water facility located within the Community is maintained, operated, and supervised by highly trained, certified, and trained employees dedicated to properly producing and delivering a high quality of safe and a pleasing water supply on a daily basis. The facility is managed and supervised by a State of Maryland licensed superintendent, and the operations and maintenance is performed by a State of Maryland certified operator.

In evaluation over the past year these employees have obtained continuous required educational goals as established by the Maryland Licensing and Certification Board of Water Operators, and maintenance on the distribution lines, and the facility supply system has been performed routinely.

In evaluation of operations and testing required by the State of Maryland the operators have collected additional Lead and Copper laboratory analysis to ensure compliance, and several additional bacti samples to ensure compliance of a safe and pleasurable supply of drinking water. In addition to laboratory testing the operators have performed evaluations of the supply available, monitoring of the well or wells, the conditions and maintenance of the pumping system, the distribution lines, the chemical feeds, the monthly flows, and/or any additional operational requirement needed to ensure your water supply.

The ownership has evaluated each facility and has ensured the operational team of improving the conditions of the facilities with any needed repairs, additional testing, and/or equipment to provide a safe daily supply of drinking water to our consumers. If any resident wishes any additional information they may contact Mr. John Benjamin at (410) 378-2019.

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### The Lead and Copper Rule Educational Statement:

The United States Environmental Protection Agency (EPA) and your water provider are concerned about Lead and Copper in your drinking water. Lead enters into the drinking water supply as a result of corrosion, or wearing away of materials containing lead that are in the water distribution system and household plumbing. These materials include lead-based solder used to join copper pipes, and chrome plated or brass faucets or fixtures.

Your water has and will continue to be evaluated and laboratory tested on a monitoring schedule established by the State of Maryland Department of the Environment on these contaminants to ensure the water supply meets the limitations percentile as established under the Lead and Copper Rule.

For any additional information about the Lead and Copper Rule you can contact the EPA Hot-Line at (1-800) 426-4791.

### Lead and Copper Monitoring Statement:

The Maryland Department of the Environment had previously scheduled the water facilities for specific calendar dates for laboratory testing and evaluations for Lead and Copper. Unfortunately the previous operations failed to maintain the appropriate schedule and additional testing is required. For additional information on sampling, testing, requirements, and/or laboratory results, please contact Mr. John Benjamin at (410) 378-2019.

### Lead Health Statement:

"If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Maple Hill Water Facility is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking water, you may wish to have your water tested. Information on lead in your drinking water, testing methods, and steps you can take to minimize exposure is available from the EPA Safe Drinking Water Hot-Line at (1-800) 426-4791 or through the internet at address <http://www.epa.gov/safewater/lead>."

## **Terms, Definitions, and Abbreviations:**

In this report you will find many terms, definitions, and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

**Non-Detects (ND)** - Laboratory analysis indicates that the constituent is not present.

**Parts per million (ppm) or Milligrams per liter (mg/l)** - One part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (ppb) or Micrograms per liter** - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**Picocuries per liter (pci/l)** - Picocuries per liter is a measurement of the radioactivity in water.

**Variances and Exemptions (V&E)** - State or EPA permission not to meet an MCL, or a treatment technique under certain conditions.

**Action Level** - The concentration of a contaminate which, if exceeded triggers treatment or other requirements which a water system must follow.

**Treatment Technique (TT)** - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

**Maximum Contaminant Level (MCL)** - The maximum allowed (MCL) - The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

**Maximum Contaminant Level Goals (MCLG)** - The Goal (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

**Maximum Residual Disinfection Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a drinking water disinfectant below which there is no known or expected risk to health.

### **Microbiological Contaminants:**

(1) **Total Coliform.** Coliform are bacteria that naturally present in the environment and are used as a indicator that other potentially harmful bacteria may be present. If coliforms were found in more samples than allowed then this is a warning of potential additional problems.



## Sampling:

The following samples were monitored and evaluated by the Cecil County Health Department, The Maryland Department of the Environment, and your Local Water Department. Additional sampling on Inorganic Contaminants, Synthetic Organics, and Volatile Organic Contaminants were evaluated, and all the testing, dates, and results are available upon a written request.

### Micro-biological Contaminants.

Total Coliform Bacteria / No Violations / The MCLG is 0 / MCL - Presence of coliform bacteria 5 % of monthly samples / All Total Coliform Bacteria are present in the environment. Samples were collected on a monthly basis.

(Health Effects: Coliforms are bacteria that are naturally present in the environment and are used as a indicator that other potentially-harmful bacteria may be present.)

E. Coli (Fecal Coliform) / No Violations / MCLG 0 / MCL 0 / Human and animal fecal waste

Turbidity / No Violation / MCLG (n/a) / MCL TT / Soil runoff (Health Effects - None)

### Inorganic Contaminants:

Arsenic / Sample date - Sept.03,2008 / No Violation / MCLG (n/a ) / MCL (502) Result = <.001mg/l Erosion of natural deposits; runoff from orchards; runoff from electronics production.

(Health Effects: Some people who drink water in excess of the MCL over many, many years could experience skin damage or problems with their circulatory system)

Fluoride / Sample date - Dec.02,2008 / No Violation / MCLG (4) / MCL (4) Result = <0.1mg/l Erosion of natural deposits; a water additive which promotes strong teeth.

(Health Effects: Some people who drink containing fluoride in excess of the MCL over many, many years could develop bone disease, including pain and tenderness of the bones)

Nitrate (as Nitrogen) / Sample Date - August 08, 2008 / No Violation / MCLG (10) / MCL (10) Result = 2.77 mg/l - Runoff from fertilizer use; leaching from septic tanks, sewage, erosion from natural deposits.

(Health Effects: Infants below the age of six months could become seriously ill. Symptoms include shortness of breath and blue-baby syndrome)

### **Volatile Organic Contaminants:**

**Benzene / Sample date - September 3, 2008 / No Violation / MCLG (0) / MCL (5) Test Result = .5 ug/l - Discharge from factories, leaching from gas storage tanks.**

**(Health Effects: Some people who drink water containing benzene in excess of the MCL over many years could experience anemia or a disease in blood platelets, and may have a increase risk of getting cancer.**

**TTHM's (Total Trihalomethanes) Sampling date - March 4, 2008 / No Violation MCLG (0) / MCL (80) - Test Result = .5 ug/l - By-product of drinking water chlorination.**

**(Health Effects: Some people who drink water containing TTHM's in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have a increased risk of developing cancer.**

**Vinyl Chloride / Sample date - September 8, 2008 / No Violation / MCLG (0) MCL (2) Test Result = .5 ug/l - Leaching from PVC piping, discharge from plastics factories.**

**(Health Effects: Some people who drink water containing vinyl chloride in excess of the MCL over many, many years may have a increased risk of developing cancer.**

### **Lead and Copper:**

**Due to past operations missing required sampling criteria additional sampling was required - Copper and Lead information is available from the EPA hot-line at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>. Statements of Lead and Copper are provided within this report as required and additional testing information and ways of reducing the impact within your home are available from the utility office at 410-378-2019.**

### **Test Results:**

**Copper 90th percentile / Collection date - December 31, 2008 test result = 1.11 mg/l. (Health effects - Copper is a essential nutrient, but some people who drink water containing copper in excess of the action level over a relativity short amount of time could experience gastrointestinal distress. Over a longer**



period of time people could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.)

Lead - 90th percentile / Sample Date - December 31, 2008 / Result = .013 mg/l  
(Health effects - Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning disabilities. Adults who consume drinking water over many years containing lead could develop kidney problems or high blood pressure.)

Please note \* Your water department is consistently monitoring lead and copper within the distribution system and routine sampling within the homes by tenants is being performed to ensure proper limitations and sampling requirements are maintained. The water department would request your support if you are asked to collect such a sample and follow the necessary testing requirements during the collection of such a sample. All test results are available to the tenants upon a request, and if conditions require immediate evaluation your water department will notify you accordingly.